

ABSTRACT

A gear composed of a polymer blend or a copolymer of PA66 and PA6 which contains a part having a PA66 molecular structure and a part having a PA6 molecular structure in a weight ratio of PA66/PA6=99.9/0.1 to 95.0/5.0 is excellent in durability as well as heat resistance and dimensional stability. A speed reduction gear using the gear has a reduced size, and can be used under a higher torque without a torque increase due to dimensional change of the gear. An electric power steering apparatus using the speed reduction gear has a reduced size, and can be used for a larger automobile.